

### III. AMENDMENTS TO THE ABSTRACT

Kindly replace the Abstract of the Disclosure with the following new Abstract, wherein a clean copy of the new Abstract follows on a separate page the marked-up copy of the Abstract:

~~A cost reduction can be achieved by making a differential pressure type flowmeter simple in structure, and highly accurate flow rate measurements can be attained over the wide flow rate range of 100%-1% with errors E of less than 1 (%SP) both in real time and in a state of inline.~~

~~To achieve the ends, a differential pressure type flowmeter comprises an orifice, a detector to detect a fluid pressure P<sub>1</sub> on the upstream side of an orifice, a detector to detect a fluid pressure P<sub>2</sub> on the downstream side of an orifice, a detector to detect a fluid temperature T on the upstream side of an orifice, and a control computation circuit to compute a fluid's flow rate Q passing through an orifice by using the pressure P<sub>1</sub>, pressure P<sub>2</sub> and temperature T detected with the aforementioned detectors, and the aforementioned fluid's flow rate Q is computed with the equation  $Q=C_1 \cdot P_1 / \sqrt{T \cdot ((P_2/P_1)^m - (P_2/P_1)^n)^{1/2}}$  (where C<sub>1</sub> is a proportional constant, and m and n are constants).~~

A differential pressure type flowmeter comprises an orifice, a detector to detect a fluid pressure  $P_1$  on the upstream side of an orifice, a detector to detect a fluid pressure  $P_2$  on the downstream side of an orifice, a detector to detect a fluid temperature  $T$  on the upstream side of an orifice, and a control computation circuit to compute a fluid's flow rate  $Q$  passing through an orifice by using the pressure  $P_1$ , pressure  $P_2$  and temperature  $T$  detected with the aforementioned detectors, and the aforementioned fluid's flow rate  $Q$  is computed with the equation  $Q=C_1 \cdot P_1 / \sqrt{T \cdot ((P_2/P_1)^m - (P_2/P_1)^n)^{1/2}}$  (where  $C_1$  is a proportional constant, and  $m$  and  $n$  are constants).